

MAR 8 - 2019

SENATE RESOLUTION

REQUESTING THAT THE DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT, AND TOURISM CONVENE AN INTERNATIONAL MOON BASE
ALLIANCE COMMITTEE TO PROVIDE RECOMMENDATIONS AND GUIDANCE
FOR THE DEVELOPMENT OF EVOLVABLE LUNAR ARCHITECTURE ON THE
ISLAND OF HAWAII.

1 WHEREAS, Hawaii has a strategic location near the equator
2 and in the middle of the Pacific Ocean, resident expertise in
3 aerospace-related technologies, and terrain that is similar to
4 the moon and Mars; and

5
6 WHEREAS, Hawaii has played a seminal role in the national
7 space program by providing astronaut training for the Apollo
8 lunar missions and cutting-edge applications of aerospace-
9 related technologies in planetary geosciences, satellite
10 communications, space-based remote sensing, environmental
11 monitoring, and deep-space surveillance; and

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13 WHEREAS, Hawaii has long-standing ties with space-faring
14 nations worldwide; and

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16 WHEREAS, the island of Hawaii's moon-like terrain provides
17 an ideal environment for the development, testing, and
18 validation of a prototype moon base that allows humans to live
19 on the surface of the moon to conduct research and commercial
20 operations, also known as evolvable lunar architecture; and

21
22 WHEREAS, the island of Hawaii can create jobs and
23 educational opportunities for local students, professionals, and
24 entrepreneurs as a venue for research related to
25 telecommunications, power generation, food production, and life
26 support systems that would allow interplanetary travel; and

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28 WHEREAS, new types of economic activity such as asteroid
29 mining, space-based solar power generation, and the use of lunar
30 resources could enrich terrestrial civilization, help preserve



1 the Earth's fragile environment, and ultimately enable
2 sustainable human exploration to Mars and beyond; now,
3 therefore,
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5 BE IT RESOLVED by the Senate of the Thirtieth Legislature
6 of the State of Hawaii, Regular Session of 2019, that the
7 Department of Business, Economic Development, and Tourism are
8 requested to convene a committee to be known as the
9 International Moon Base Alliance, comprising representatives
10 from government, industry, and research institutions to provide
11 recommendations and guidance for the development of evolvable
12 lunar architecture on the island of Hawaii; and
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14 BE IT FURTHER RESOLVED that the Department of Business,
15 Economic Development, and Tourism is requested to extend
16 invitations to join the International Moon Base Alliance,
17 without compensation, to representatives of relevant government,
18 industry, and university organizations, including but not
19 limited to:
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- 21 (1) Hawaii-based organizations, including the Office of
22 Aerospace Development, the Hawaii Aerospace Advisory
23 Committee, the Pacific International Space Center for
24 Exploration Systems, the Hawaii Space Flight
25 Laboratory at the University of Hawaii at Manoa, and
26 the Hawaii Space Exploration Analog and Simulation
27 Program operated by the University of Hawaii at Manoa;
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- 29 (2) The National Aeronautics and Space Administration,
30 including but not limited to the Space Portal at NASA
31 Ames Research Center and the Exploration Integration
32 and Science Office at the Johnson Space Center;
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- 34 (3) Other appropriate federal entities and national space
35 agencies, including but not limited to the Federal
36 Aviation Administration, United States Indo-Pacific
37 Command, and United States Army Pacific;
38
- 39 (4) The Lunar Exploration and Analysis Group;
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- 41 (5) The University Space Research Association, including
42 the Lunar and Planetary Institute;



1 (6) Major corporations representing aerospace, information
2 technology, renewable energy, robotics, manufacturing,
3 and other appropriate industrial sectors;
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5 (7) National space advocacy organizations, including the
6 National Space Society, the Lunar Explorers Society,
7 the Space Frontier Foundation, and the American
8 Astronautical Society;
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10 (8) Global space agencies and organizations, including the
11 United Nations Office for Outer Space Affairs, the
12 International Lunar Exploration Working Group, the
13 International Space Exploration Coordination Group,
14 and the Committee on Space Research;
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16 (9) The Chairs of the following committees of the Hawaii
17 State Senate, or their designees:
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19 (A) Energy, Economic Development, and Tourism; and
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21 (B) Technology; and
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23 (10) The Chairs of the following committees of the Hawaii
24 State House of Representatives, or their designees:
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26 (A) Economic Development and Business; and
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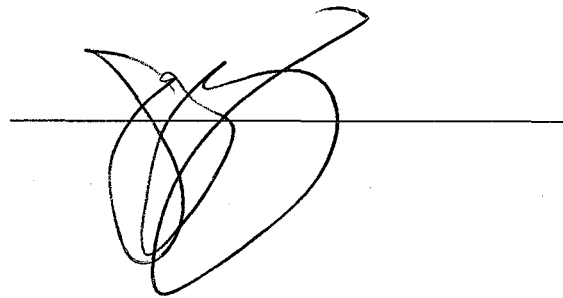
28 (B) Public Safety, Veterans, and Military Affairs;
29 and
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31 BE IT FURTHER RESOLVED that the Department of Business,
32 Economic Development, and Tourism is requested to use its
33 resources and technology to encourage virtual meetings in order
34 to submit an interim report to the Legislature on the progress
35 of the development of evolvable lunar architecture on the island
36 of Hawaii, including any findings, recommendations, and proposed
37 legislation, no later than twenty days prior to the convening of
38 the Regular Session of 2020, and a final report to the
39 Legislature no later than twenty days prior to the convening of
40 the Regular Session of 2021; and
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BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the Governor; Administrator of the National Aeronautics and Space Administration; Administrator of the Federal Aviation Administration; Commander of United States Indo-Pacific Command; Commanding General of the United States Army Pacific; Director of Business, Economic Development, and Tourism; Chair of the Senate Committee on Energy, Economic Development, and Tourism; Chair of the Senate Committee on Technology; Chair of the House Committee on Economic Development and Business; and Chair of the House Committee on Public Safety, Veterans, and Military Affairs.

OFFERED BY:



Clarence K. Mitchell

